Eric Taylor, PhD

• j.eric.t.taylor@gmail.com

• https://jericttaylor.wixsite.com/mysite

• https://scholar.google.ca/citations?user=OqtTvI0AAAAJ&hl=en&oi=sra

Summary

Dr. Taylor is a behavioural scientist trained in rigourous experimental and data analysis techniques. After earning his PhD from Purdue University, he applied these skills in labs at the University of Toronto and the Brain and Mind Institute at Western University, where he designed and conducted experiments in human attention using cognitive and cognitive neuroscience methods. In addition to his research experience, Dr. Taylor has considerable editorial, supervisory, organizational, and pedagogical experience from his time teaching and advising at the university level and organizing academic conferences. Dr. Taylor spent a year working as an associate at BEworks, a behavioural economics consulting firm, ideating interventions and implementing RCTs to inform strategy for real-world problems in human behaviour. He currently works as a postdoctoral fellow at the Vector Institute for Artificial Intelligence, where he applies his background in cognitive psychology to the development of behavioural experiments for machine learning algorithms.

Education

2013	**Doctor of Philosophy** in cognitive psychology Purdue University, West Lafayette, IN, USA
2010	**Master of Science** in cognitive psychology Purdue University, West Lafayette, IN, USA
2008	**Bachelor of Science, Honours Specialization** in psychology University of Western Ontario, London, ON, Canada

Professional Experience

2019 –	**Post-Doctoral Fellow**, Vector Institute for Artificial Intelligence, Toronto, ON. I research and design behavioural experiments for machine algorithms.
2018 – 2019	**Associate**, BEworks, Toronto, ON. As an associate at BEworks, I applied the scientific method to real-world problems in behavioural economics. Clients hire BEworks to find answers free from biases that plague less intensive research.
2016 – 2018	**Post-Doctoral Fellow**, Brain and Mind Institute at Western University, London, ON. Working in the lab of Jessica Grahn, I conducted research on the cognitive neuroscience of music and rhythm perception, while maintaining independent lines of research and training in cognitive neuroscience methods.
2016 – 2018	**Organizer**, Object Perception, Attention, and Memory (OPAM) annual conference. Working with a small team of post-doctoral organizers, we manage the organization, logistics, advertisement, content, and funding of this high-impact, free conference
2013 – 2016	**Post-Doctoral Fellow**, Department of Psychology at the University of Toronto, Toronto, ON. Working in the lab of Jay Pratt, I maintained independent lines of research in visual cognition while teaching classes.

Peer-Reviewed Articles and Book Chapters (Total = 22; *h*-index = 10)

Taylor, J. E. T. & Grahn, J. A. (2019). Simple random interval generation reveals the irresistible periodicity of perceived time. *Attention, Perception, & Psychophysics*.

Van den Bosch der Nederlanden, C., Taylor, J. E. T., & Grahn, J. A. (2019). Neural Basis of Rhythm Perception. In The Oxford Handbook of Music and the Brain. Oxford University Press.

Taylor, J. E. T., Van den Bosch der Nederlanden, C., & Grahn, J. A. (2019). Music and Movement. In Foundation in Music Psychology: Theory and Research. Elsevier.

Taylor, J. E. T., Hilchey, M. D., & Pratt, J. (2018). Out with the new, in with the old: Exogenous orienting to locations with physically constant stimulation. *Psychonomic Bulletin & Review.*

Taylor, J. E. T., Pratt, J., & Witt, J. K. (2017). A different kind of weapon focus: Sensorimotor experience reduces change blindness. *Cognitive Research: Practical Implications, 2*(1), 1-9.

Rajsic, J., Taylor, J. E. T., & Pratt, J. (2016). Out of sight, out of mind: Matching bias underlies confirmatory visual search. *Attention, Perception, & Psychophysics 79*(2), 498-507.

Hilchey, M. D., Taylor, J. E. T., & Pratt, J. (2016). Much ado about nothing: Attentional capture at locations without new perceptual stimulation. *Journal of Experimental Psychology: Human Performance & Perception, 42*(12), 1923-1927.

Taylor, J. E. T., Rajsic, J. & Pratt, J. (2016). Object-based selection is contingent on attentional control settings. *Attention, Perception, & Psychophysics*, *78*(4), 988-995.

Witt, J. K., Taylor, J. E. T., Sugovic, M., & Wixted, J. T. (2016). Further clarifying signal detection theoretic interpretations of the Müller-Lyer and sound-induced flash illusions. *Journal of Vision, 16*(11), 19-19.

Pratt, J., Taylor, J. E. T., & Gozli, D. (2015). Action and attention. Chapter in Fawcett, J., Risko, E. F., & Kingstone, A. (Eds.), *Handbook of Attention.* Boston, USA: MIT Press.

Taylor, J. E. T., Lam, T. K., Chasteen, A., & Pratt, J. (2015). Hold your head high with pride: Self-esteem concepts cue attention vertically. *PLoS One, 10*(9), e0137704.

Hsu, P., Taylor, J. E. T., & Pratt, J. (2015). Frogs jump forward: Semantic knowledge influences the perception of element motion in the Ternus display. *Perception, 44*(7), 779-789.

Taylor, J. E. T., Chan, D., Bennett, P. J., & Pratt, J. (2015). Attentional cartography: Mapping the distribution of attention across space and time. *Attention, Perception, & Psychophysics*, *77*(7), 2240-2246.

Taylor, J. E. T., Pratt, J., & Witt, J. K. (2015). Joint attention for stimuli on the hands: Ownership matters. *Frontiers in Psychology, 6*(543).

Witt, J. K., Taylor, J. E. T., Sugovic, M., & Wixted, J. T. (2015). Signal detection measures cannot distinguish perceptual biases from response biases. *Perception*, *44*(3), 289-300.

Taylor, J. E. T., Gozli, D. G., Chan, D., Huffman, G., & Pratt, J. (2015). A touchy subject: Advancing the modulated visual pathways account of altered vision near the hands. *Translational Neuroscience, 6*(1), 1-7.

Taylor, J. E. T & Witt, J. K. (2014). Listening to music primes space: Pianists, but not novices, simulate heard actions. *Psychological Research, 79*(2), 175-182.

Taylor, J. E. T. & Witt, J. K. (2014). Altered attention for stimuli on the hands. *Cognition, 133,* 211-225.

Taylor, J. E. T., Witt, J. K., & Grimaldi, P. J. (2012). Uncovering the connection between artist and audience: Viewing painted brushstrokes evokes corresponding action representations in the observer. *Cognition*, *125,* 26-36.

Witt, J. K., Sugovic, M., & Taylor, J. E. T. (2011). Action-specific effects in a social context: Others' abilities influence perceived speed. *Journal of Experimental Psychology: Human Performance & Perception*, *38,* 715-725.

Taylor, J. E. T., Witt, J. K., & Sugovic, M. (2011). When walls are no longer barriers: Perception of wall height in parkour. *Perception, 40,* 757-760.

Witt, J. K., Schuck, D. M., & Taylor, J. E. T. (2011). Action-specific effects underwater. *Perception, 40,* 530-537.

Awards and Grants

2017 **Tom Troscianko Memorial Award**. Includes travel costs to present at ECVP 2017 in Berlin, and to facilitate collaborative laboratory visits and travel in the spirit of adventure. Award value: £2,000.

2017 **NSF Workshop Funding**. 25th Anniversary for the Annual Workshop on Object Perception, Attention, & Memory. Grant co-author. Award value: $18,260 USD.

2016 **Best Article at Attention, Perception, & Psychophysics**. In recognition of the year's best original research. Award value: $1,000 USD.

2015 **Psychonomic Society Select Speaker Award**. Intended to highlight exceptional research by members at the annual meeting of the Psychonomic Society with a special session of talks. Award value: $1,500 USD.

2015 **ICPS Travel Award**. Awarded by APS for travel to the International Congress of Psychological Science (March, 2015). Award value: €400.

2013 **Graduate Research Publication Award – 1st Place**. Awarded by the Department of Psychology at Purdue University (February, 2013). Award value: $500 USD.

2012 **Departmental Award for Graduate Research Innovation**. Awarded to Eric Taylor. Funded by the Department of Psychological Sciences at Purdue University (December, 2011 – December, 2012). Total amount funded: $750 USD.

Editorical Activities (Publons merit: 72)

https://publons.com/author/1239681/j-eric-t-taylor#profile

Peer Reviewer for: *Psychonomic Bulletin & Review; Journal of Experimental Psychology: Human Performance and Perception; Attention, Perception, & Psychophysics; Visual Cognition; PLoS One; Experimental Brain Research; Psychological Research; American Journal of Psychology; Acta Psychologica; Frontiers*

Teaching (Instructor at the University of Toronto)

PSY100 – Introductory Psychology – 1st Year Lecture
PSY475 – Attention & Performance – 4th Year lecture on visual attention and action
PSY471 – Seminar in Visual Cognition – 4th Year seminar on current topics in visual cognition
PSY405 – Senior Project – Supervisor of 4th year student projects (4 different students)

References

Dr. Jessica Witt
PhD supervisor
Department of Psychology
Colorado State University
Fort Collins, CO, USA
(970) 491 – 3018
jessica.witt[at]colostate.edu

Dr. Jay Pratt
Post-doctoral supervisor
Department of Psychology
University of Toronto
Toronto, ON, Canada
(416) 978 – 4216
pratt[at]psych.utoronto.ca

Dr. Jessica Grahn
Post-doctoral supervisor
Brain and Mind Institute
Western University
London, ON, Canada
(519) 661 – 2111 ext. 84804
jgrahn[at]uwo.ca